OIPE JC130
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PATENT & TRADEMARK OFFICE

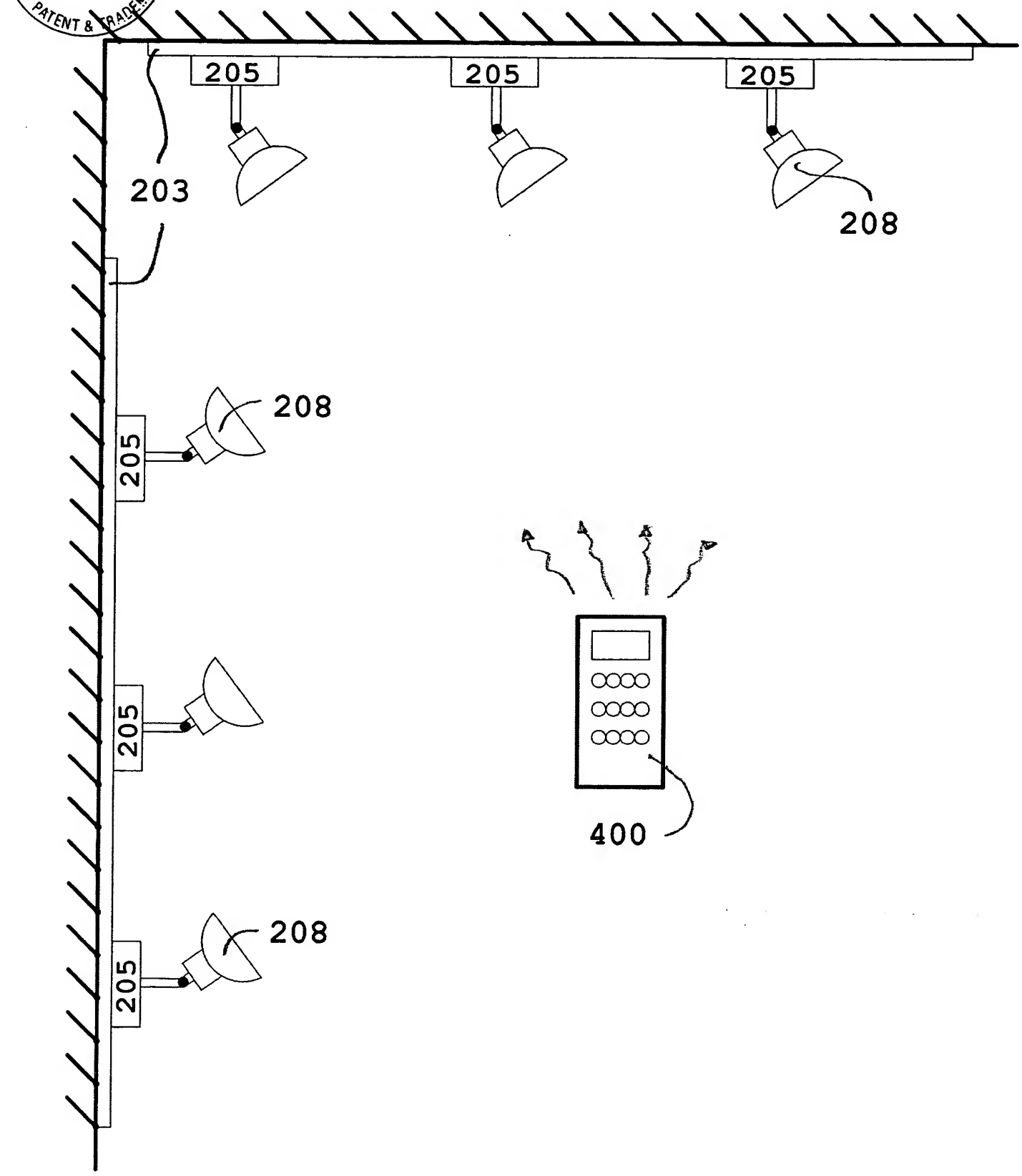


Fig. 1

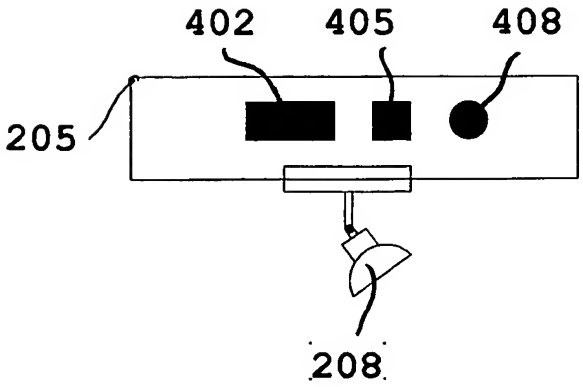


Fig. 2

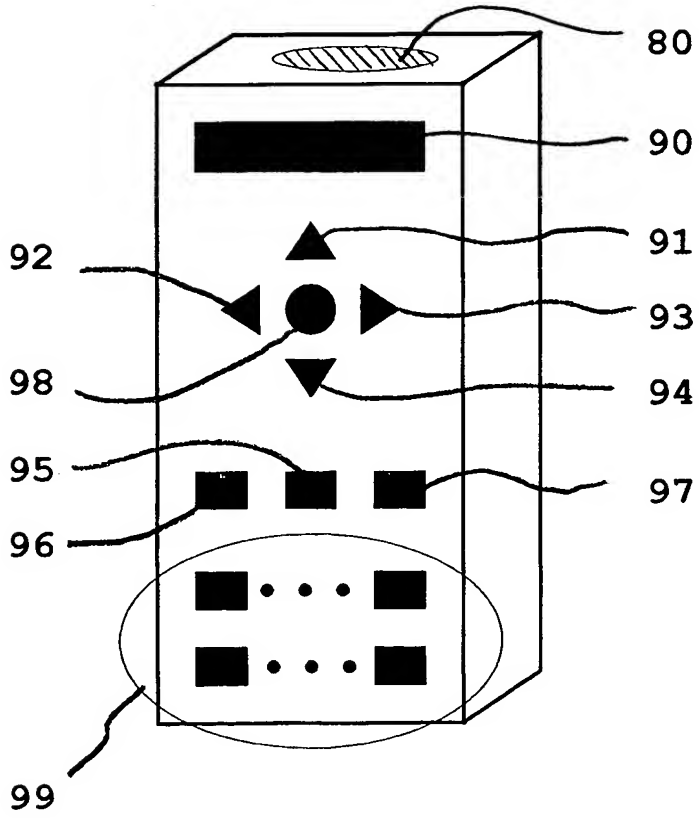


Fig. 3

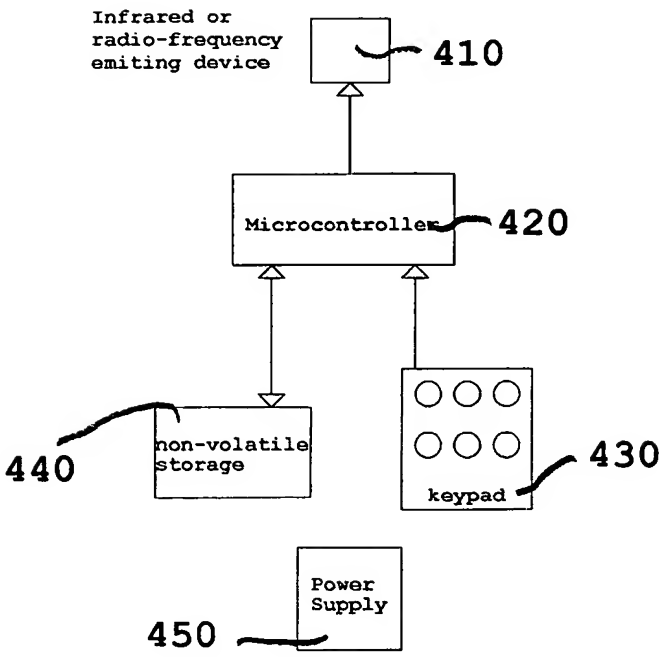

Infrared or
radio-frequency
emiting device
410
Microcontroller
420
440
non-volatile
storage
keypad
430
Power
Supply
450

Fig. 4

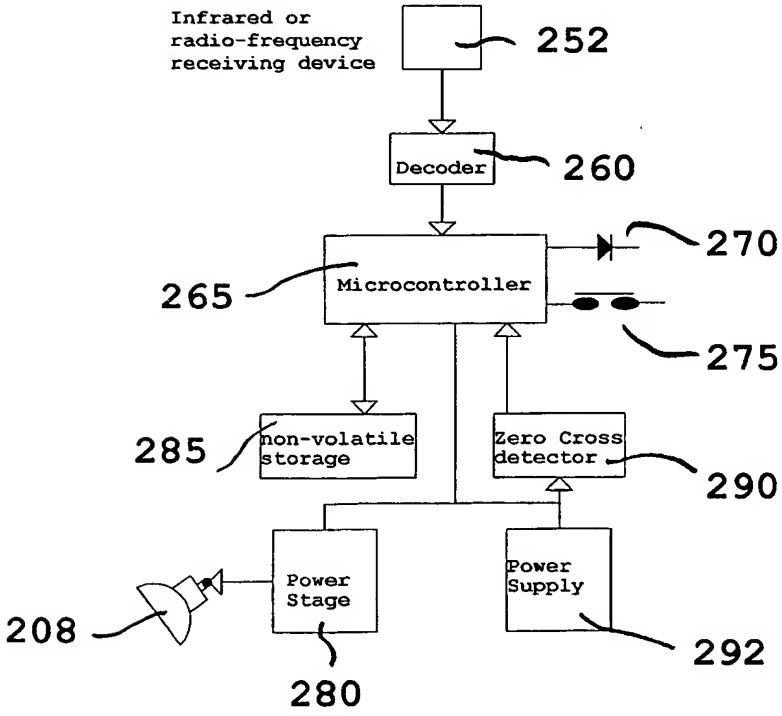
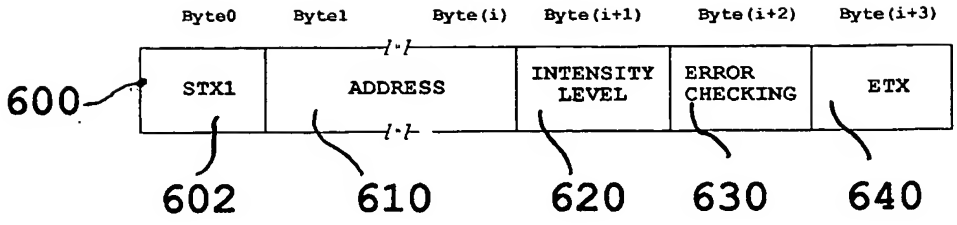
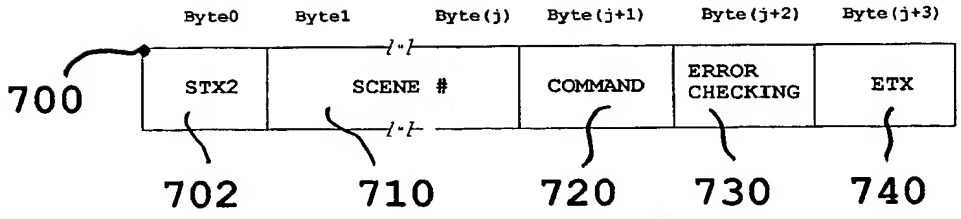

Infrared or
radio-frequency
receiving device
252
Decoder
260
270
265
Microcontroller
275
285
non-volatile
storage
Zero Cross
detector
290
Power
Stage
Power
Supply
208
292
280

Fig. 5



STX1	Start of transmission
ADDRESS	From 1 to any number. If = 0 is global address
ETX	End of transmission

Fig. 6



STX2	Start of transmission
COMMAND	(a) save SCENE # value (b) Recall SCENE # value
ETX	End of transmission

Fig. 7

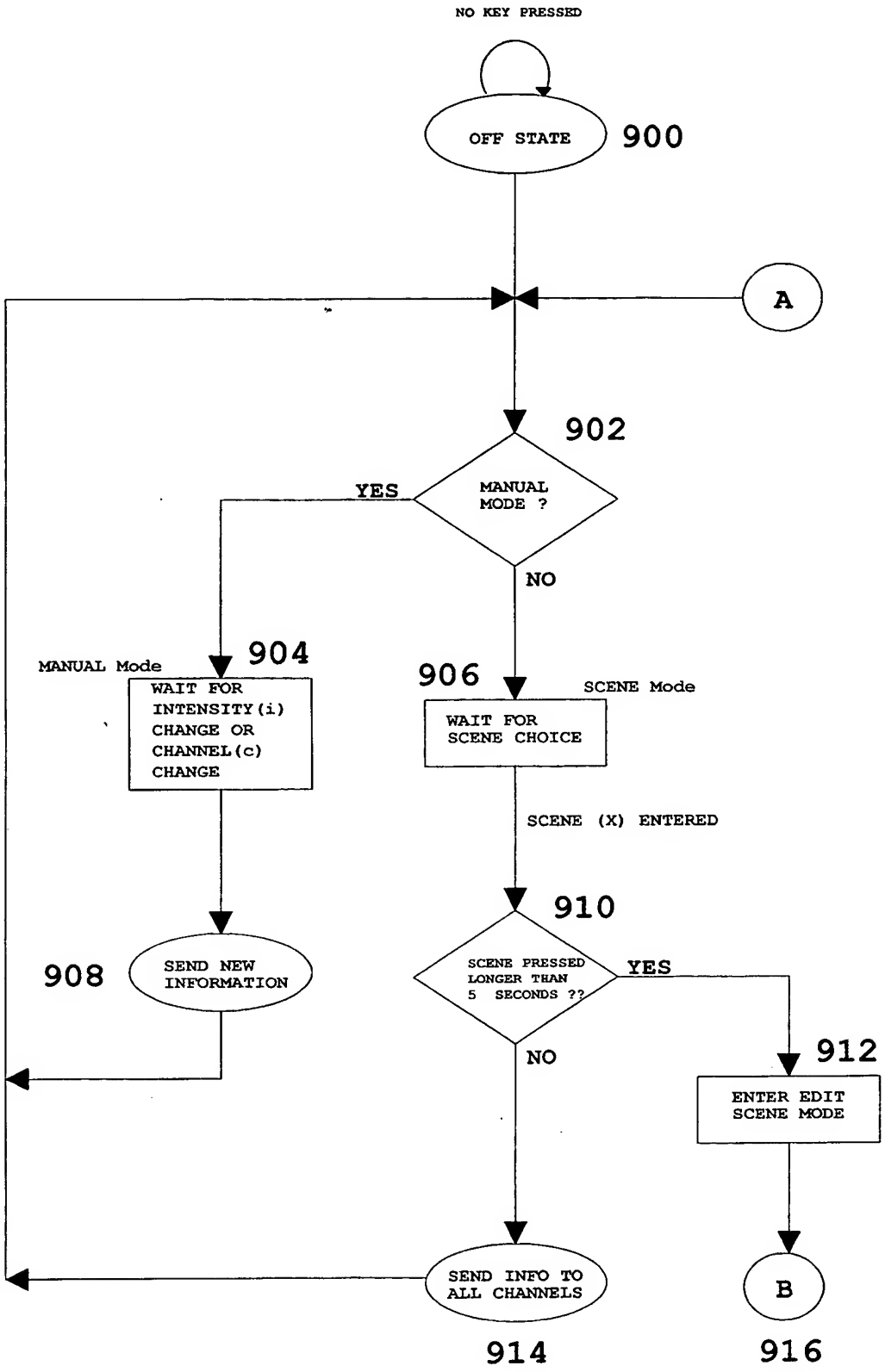

NO KEY PRESSED
OFF STATE
900
A
902
MANUAL MODE ?
YES
NO
MANUAL Mode
904
WAIT FOR INTENSITY(i) CHANGE OR CHANNEL(c) CHANGE
906
SCENE Mode
WAIT FOR SCENE CHOICE
SCENE (X) ENTERED
910
908
SEND NEW INFORMATION
SCENE PRESSED LONGER THAN 5 SECONDS ??
YES
NO
912
ENTER EDIT SCENE MODE
SEND INFO TO ALL CHANNELS
914
B
916

Fig. 8

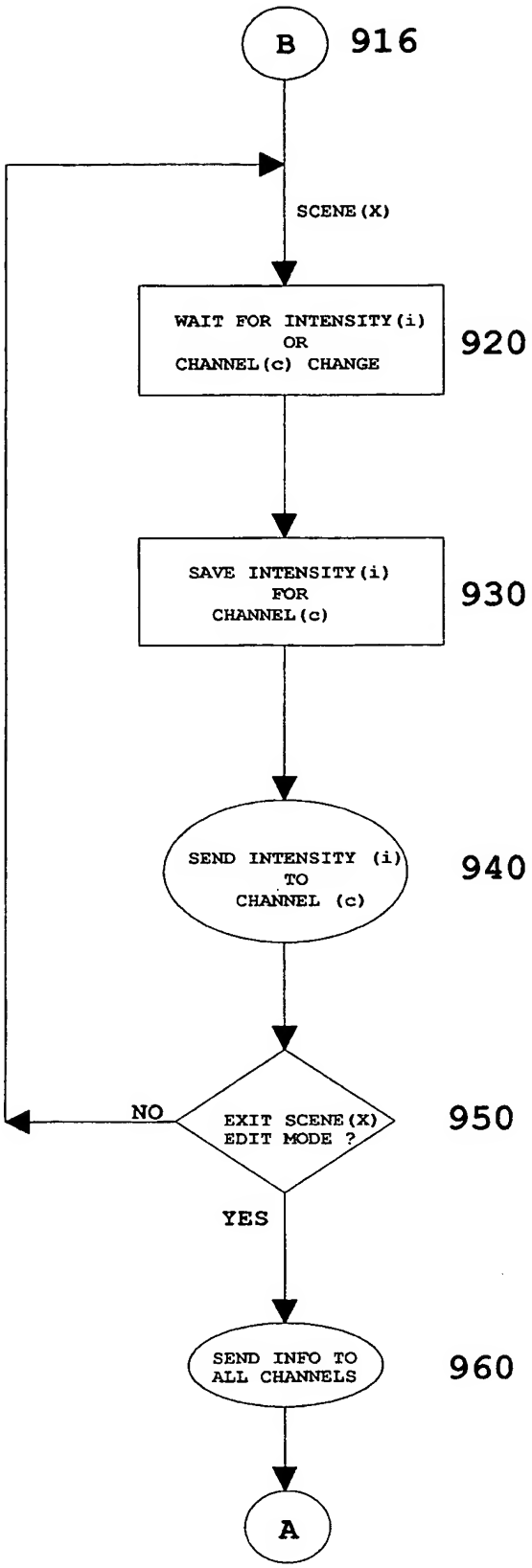

B
916
SCENE(X)
WAIT FOR INTENSITY(i)
OR
CHANNEL(c) CHANGE
920
SAVE INTENSITY(i)
FOR
CHANNEL(c)
930
SEND INTENSITY (i)
TO
CHANNEL (c)
940
NO
EXIT SCENE(X)
EDIT MODE ?
950
YES
SEND INFO TO
ALL CHANNELS
960
A

Fig. 9

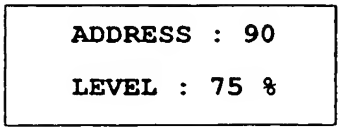


Fig. 10

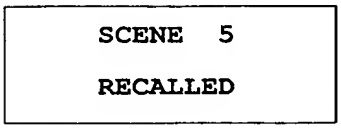


Fig. 11

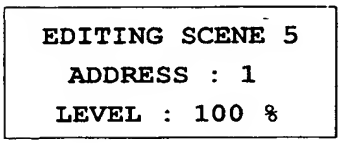


Fig. 12